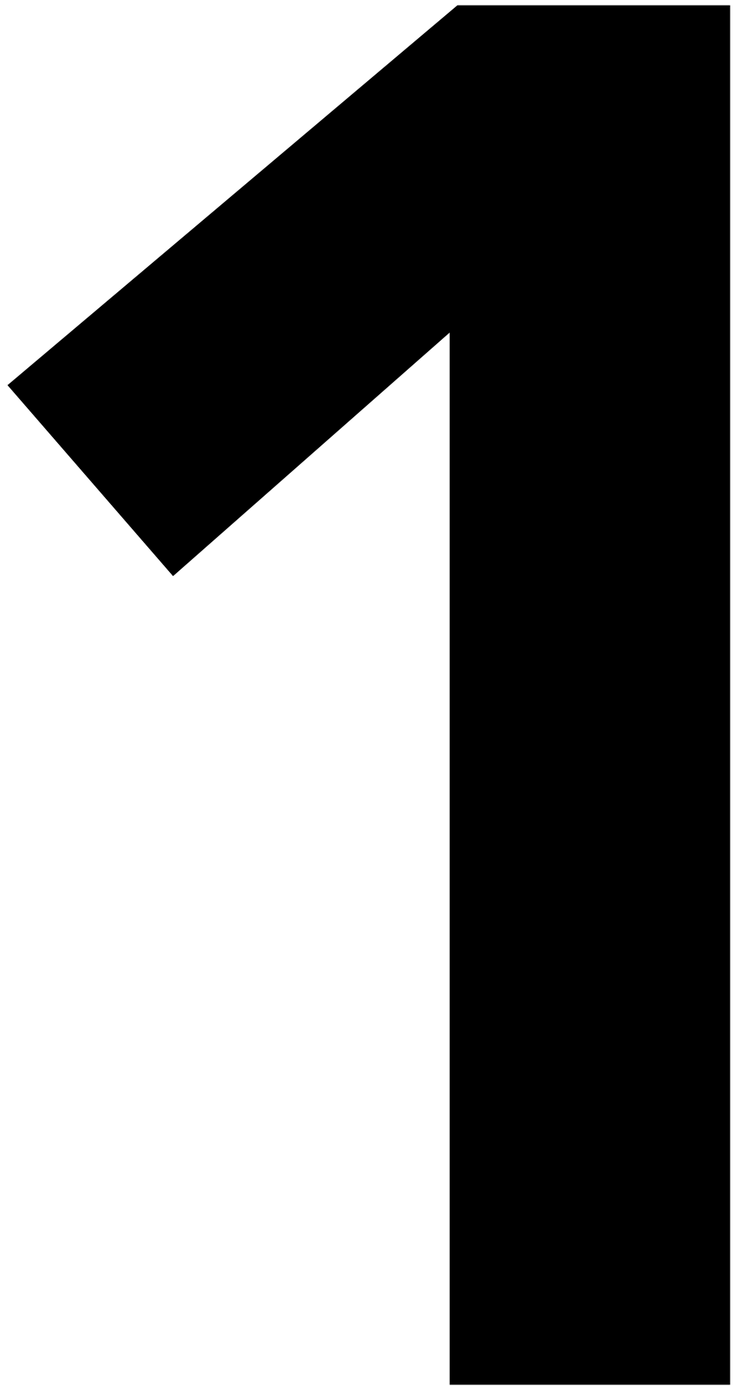
Nikon 1

I AM | THE NIKON 1

At the heart of the image

Nikon



I AM
THE INTELLIGENT CAMERA

Nikon 1
Full speed ahead

Each generation imagines itself to be an improvement on the one that went before. When it comes to our Nikon 1 interchangeable lens cameras, it's true: faster really is better.

Nikon 1 heralded a brand new era of Advanced Interchangeable Lens Cameras. Our first generation delivered intelligence and beauty at world-beating speeds. Now we've pushed the boundaries of technology further to make the second generation even faster, and more accurate.

The speed you associate with Nikon 1 cameras has been further enhanced with Nikon's next-generation EXPEED 3A dual image processor. Now capable of processing images at an incredible 850 megapixels-per-second[1], it powers even faster performance to let you shoot incredible images in some exciting ways.

The newly developed super-high-speed CMOS sensor boasts a higher megapixel count with increased ISO for more detailed shots in low light. Nikon's blazingly fast advanced hybrid autofocus system, now features improved AF tracking for wider coverage across the frame. The groundbreaking pre/post capture technology in Nikon 1 cameras is still there, harnessing the camera's phenomenal speed to power clever new features.

When it comes to size, the first of our second-generation camera bodies is even smaller. Nikon's superior ergonomics keep operation intuitive and ensure comfortable handling. Meanwhile, wireless methods of transferring images make it quick and simple to share high-quality images.

And when it comes to lenses, the 1-mount system ensures that our new 1 NIKKOR lenses communicate just as perfectly with the camera as those already in our lineup—giving you the power to record still images and movies without compromise. Combined with the potential to use NIKKOR D-SLR lenses together with the mount adapter FT1, the Nikon 1 system is as flexible as it is fast.

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I AM | FAST

Nikon 1 V2

Fast. Precise. Small.

With the right camera in your hand, every situation has the potential to yield a great still image or movie, so why compromise when you want to travel light?

The Nikon 1 V2 ensures you don't have to.

The perfect companion when you're on the go, this is a versatile main camera and a great second camera that you'll put first more often than you'd expect. Combining speed, power, and precision in a small body, the Nikon 1 V2 performs fast and produces clearly superior results.

Key controls are located on the top of the camera. The electronic viewfinder is positioned along the optical axis and a large grip facilitates comfortable handling. Built for lightness, this camera feels impressively solid in your hand. And the advantages don't stop with the design.

The astonishingly fast advanced hybrid autofocus system lets you shoot at up to 60 fps, or a swift 15 fps with continuous autofocus.[2] The CX-format CMOS sensor offers a 14.2-megapixel resolution, and an ISO range that goes to 6400 for beautiful low-light detail. And if you want to shed more light on your subject, the built-in flash lets you do just that.

When you want to shoot with full creative control, the Mode dial offers quick, direct access to PSAM controls. When you want to be sure you're capturing scenes exactly the way you want, Live Image Control lets you monitor changes to exposure settings in real time.

Combine all of this with the growing range of 1 NIKKOR lenses, as well as the possibility to attach a NIKKOR D-SLR lens to the camera via the optional mount adapter FT1, and the Nikon 1 V2 doesn't just give you control—it gives you the freedom to shoot scenes exactly as you please.

Nikon 1 V2 • Lens: 1 NIKKOR VR 10–30mm f/3.5–5.6 • Focus Mode: AF-C • Focal Length: 15.7mm • VR: OFF • Aperture: f/5.6 • Shutter Speed: 1/1000s • Exposure Mode: Programmed Auto • Exposure Compensation: 0 EV • ISO Sensitivity: ISO 160 • White Balance: Auto

Advanced Hybrid AF System

A new kind of fast

Nikon's incredible hybrid autofocus system is now even faster.

More than quick enough to capture the unexpected, Nikon's advanced hybrid AF system boasts blazingly fast phase-detection AF and the shortest shooting time lag in the world.[3]

The system instantly switches between phase-detection AF and contrast-detect AF depending on the situation. In most conditions, the sensor will use the astonishingly fast 73-point phase-detection AF. If your subject is poorly lit, or if the focus area is located at the edge of the frame, the camera will instantly switch to the 135-point contrast-detect AF.

Phase-detection AF, which focuses accurately and quickly on moving subjects, is also used during movie recording—so you get sharply focused action scenes every time. And whether you're shooting photos or movies, AF tracking ensures your subject will always come into focus, fast.

Integrating the camera's quick shot-to-shot turnaround, the Nikon 1 advanced hybrid AF system gives you the freedom to shoot moments as they unfold without worrying about a thing.

Best Moment Capture

Always the shot you want

Best Moment Capture ensures you always capture the shot you want, no matter how fast the action.

Available for the first time in the Nikon 1 V2, this incredible feature has two options that both harness the camera's pre/post capture technology to great effect.

Slow View mode gives your shutter finger perfect timing: a new way to capture all those fleeting movements and expressions, as well as fast-paced action, time after time.

Press the shutter-release button halfway, and the camera quickly buffers up to 40 full-resolution images and simultaneously displays them in slow motion on the LCD screen. Keep your finger on the button, and the slow-motion preview will continue to loop, giving you the chance to choose the best shot for yourself, as it happens.

When you see the image you want, all you need to do is fully click the shutter-release button. It's an amazing experience that feels like you have the power to control time itself.

Smart Photo Selector[4] flies into action as soon as you touch the shutter button. It begins to capture images before you even take the shot, and continues after you're done, ultimately shooting up to 20 high-resolution images in quick succession. The best shot is displayed on the monitor, and you can decide for yourself how many alternatives you want the camera to present you with—from five down to just one.

Refined detection algorithms accurately detect even small faces as well as moving subjects, which is ideal when people refuse to stay in one place. The camera recommends shots based on factors like facial expression, composition, and focus, so you'll never again miss a smiling face or end up with a blurred image.

Nikon 1 V2 • Lens: 1 NIKKOR VR 30–110mm f/3.8–5.6 • Focus Mode: AF-C • Focal Length: 110mm • VR: OFF • Aperture: f/5.6 • Shutter Speed: 1/2000s • Exposure Mode: Manual • Exposure Compensation: 0 EV • ISO Sensitivity: ISO 160 • White Balance: Auto

Nikon 1 V2 • Lens: 1 NIKKOR 10mm f/2.8 • Focus Mode: AF-C • Focal Length: 10mm • VR: - • Aperture: f/2.8 • Shutter Speed: 1/1000s • Exposure Compensation: 0 EV • Exposure Mode: Manual • ISO Sensitivity: ISO 200 • White Balance: Auto

Motion Snapshot

Photos that move. Stories to share.

Life never stands still—why should photos be any different?

Nikon's unique Motion Snapshot is a fantastic way to capture more than a single instant frozen in time. Now you can bring moments to life with a photo that actually starts to move right in front of your eyes.

One click is all it takes for the camera to create a 10-second "living image" that starts with a slow-motion movie of the seconds before you fully pressed the shutter button, and ends with a photo of the moment when you released the shutter.

The creative possibilities are endless. Now you can immortalize your friend's summertime backflip off a rope swing and into the lake. Or capture the group interaction as you cycle along a dry creek bed with friends.

Saved as a single file that's easy to transfer straight from your camera, you can upload Motion Snapshots to any platform and have fun sharing stories in a whole new way.

Movie mode

Action time!

Whether you're filming a kick-about in the park or an arty story, nothing beats the pleasure of recording with a camera that can deliver stunning Full HD movies. Optimized to capture incredibly clear footage, and featuring a host of unique movie functions, Nikon 1 cameras deliver superb high-resolution results.

The phase-detection AF system, which is incredibly quick to focus on moving subjects, makes shooting action scenes a joy. And images are rendered smoothly and naturally with the electronic AF drive control that regulates focus speed and eliminates mechanical noise.

Shoot in movie mode and you can take a full-resolution photo while filming[5] without interrupting recording. Why choose between a photo and a movie when you can get the best of both?

Shoot in advanced movie mode and you can record Full HD movies at 60 and 30 fps and 60i, 60p, and 30p frame rates, with full control over shutter speed and aperture via the PSAM controls. Film with a smaller frame size and you can achieve dramatic effects in extreme slow motion, with recording speeds of up to 1200 fps.[6]

Whatever you're filming, the optional ME-1 Stereo Microphone lets you capture footage in high-quality stereo sound and the 1 NIKKOR 10–100mm power-drive zoom enables smooth transitions whether you're zooming quickly or slowly. When the filming is over, Nikon's Short Movie Creator software is a great way to get creative and edit the final cut of your masterpiece, complete with soundtrack and credit sequence.

Nikon 1 V2 • Lens: 1 NIKKOR VR 10–100mm f/4.5–5.6 PD-ZOOM • Focal Length: 20.3mm • Focus Mode: AF-S • VR: OFF • Aperture: f/5 • Shutter Speed: 1/1250s • Exposure Mode: Shutter Priority • Exposure Compensation: 0 EV • ISO Sensitivity: ISO 200 • White Balance: Auto

HDR off

HDR on

Active D-Lighting & HDR

Enjoy a world that’s always perfectly lit

Capture beautiful images of high-contrast lighting situations, such as a sunny beach or a snowy mountainside.

In-camera Nikon technology brings out details hidden in the shadows, or washed out by the light, so you can enjoy impressive results.

Active D-Lighting automatically retains the details in both dark and bright areas, even in backlit situations. Suitable for moving subjects, it delivers stunning images with natural contrast.

HDR (High Dynamic Range) mode captures two images (one underexposed and one overexposed) during a single shutter release and then combines them to create one image with extremely wide dynamic range, low noise, and rich color gradation. Thanks to the camera’s phenomenally fast continuous shooting speeds, you get clear HDR images even when your subject is in motion.

I AM
THE PICTURE YOU WANTED

Live Image Control

Creative freedom. Easy control.

Why wait until after you've taken a shot to see if you've captured a scene the way you want?

With Live Image Control, you can view the effects of changes you make to exposure settings in real time in the electronic viewfinder, or on the LCD screen. Whether you're an experienced photographer or an enthusiastic amateur, this feature helps you achieve impressive, creative results more intuitively than ever.

Operation is simplicity itself: simply press the Function button and select the effect you want to control. Choose between Active D-Lighting, Background Softening, Motion Control, and Brightness Control, then turn the command dial until the preview image looks the way you want it to look.

The Nikon 1 V2 automatically adjusts key factors such as aperture and shutter speed to produce the desired outcome. There's no need to manually adjust settings and calculate abstract values. No more guesswork or doubting whether your changes will be successful. With Live Image Control, what you see on the screen is exactly what you get.

Superior Nikon Ergonomics

Looks good. Feels great.

Nikon's dedication to superior ergonomics means the new Nikon 1 V2 is one step further toward perfection.

An admirable blend of form and function, the minimal Nikon 1 body design is the result of painstaking attention to every detail—including the controls. A number of refinements to the camera ensure operation is quick and reliable.

The Nikon 1 V2 may be small and light, but there's nothing insubstantial about the construction of its body. Pick it up, and you'll immediately be impressed with how solid and sturdy it feels in your hand. A magnesium alloy front ensures tough portability, and the newly developed shutter unit has been tested to 100,000 cycles for superior speed and reliability.

The shutter release button has an integrated power switch for speedy start-up and immediate shooting. The high-performance electronic viewfinder (EVF) is located along the optical axis to aid composition. A large grip allows a steady hold on the camera, and the built-in flash means there's always extra light on hand when you need it.

But the biggest difference you'll notice is the intelligent button placement. With main controls all positioned on the top of the camera, you get quick, direct access to the camera's shooting modes and creative controls.

With the movie record button positioned right behind the power button, you can begin recording a movie in an instant. The function button is right next to the mode dial for smooth switching between functions when using any of the camera's eight versatile shooting modes. Finally, the command dial boasts a push functionality that lets you confirm selections—or changes to settings like white balance, AF-area mode, and Picture Control—without taking your eye off the viewfinder.

Nikon 1 V2 • Lens: 1 NIKKOR 11–27.5mm f/3.5–5.6 • Focal Length: 27.5mm • Focus Mode: AF-S • VR: - • Aperture: f/5.6 • Shutter Speed: 1/100s • Exposure Mode: Aperture Priority • Compensation: -1.0 EV • ISO Sensitivity: ISO 160 • White Balance: Auto

1 NIKKOR 11–27.5mm f/3.5–5.6

Super-slim and ready to go, this 2.5x zoom lens with 11–27.5mm focal range (35mm equivalent: 30–74mm) means you'll always be prepared, even if that great photo- or movie-moment takes you by surprise.

Nikon 1 V2 • Lens: 1 NIKKOR 18.5mm f/1.8 • Focus Mode: AF-S • Focal Length: 18.5mm • VR: - • Aperture: f/1.8 • Shutter Speed: 1/320s • Exposure Mode: Manual • Exposure Compensation: 0 EV • ISO Sensitivity: ISO 160 • White Balance: Auto

1 NIKKOR 18.5mm f/1.8

Capture superb low-light images, even at low ISO, and photograph portraits with beautiful bokeh using this bright, portable lens with 18.5 mm focal length (35mm equivalent: approx. 50 mm) and fast f/1.8 maximum aperture.

1 NIKKOR 10mm f/2.8

Go wide and stay sharp with this thin 10 mm wide-angle lens (35mm equivalent: 27 mm). Slim enough for any bag, it's ideal for landscapes or cramped spaces, and offers a great chance to experiment when filming.

Nikon 1 V2 • Lens: 1 NIKKOR 10mm f/2.8 • Focal Length: 10mm • Focus Mode: AF-A • VR: - • Aperture: f/4.5 • Shutter Speed: 1/800s • Exposure Mode: Aperture Priority • Exposure Compensation: 0 EV • ISO Sensitivity: Auto (ISO 160) • White Balance: Auto

1 NIKKOR VR 10–30mm f/3.5–5.6

Enjoy the freedom to preserve moments just the way you remember them with this pocket-size 3x zoom lens. The 10–30mm focal range (35mm equivalent: 27–81mm) captures everyday scenes perfectly.

Nikon 1 V2 • Lens: 1 NIKKOR VR 10–30mm f/3.5–5.6 • Focal Length: 10mm • Focus Mode: AF-S • VR: OFF • Aperture: f/5.6 • Shutter Speed: 1/1000s • Exposure Mode: Aperture Priority • Exposure Compensation: 0 EV • ISO Sensitivity: ISO 160 • White Balance: Auto

1 NIKKOR VR 30–110mm f/3.8–5.6

Get close to distant subjects wherever you are with this portable telephoto zoom lens. With a versatile 30–110mm focal range (35mm equivalent: 81–297mm), it's perfect on a city break or a day out shooting.

Nikon 1 V2 • Lens: 1 NIKKOR VR 30–110mm f/3.8–5.6 • Focus Mode: AF-C • Focal Length: 30mm • VR: ON (ACTIVE) • Aperture: f/5.6 • Shutter Speed: 1/1000s • Exposure Mode: Shutter Priority • Exposure Compensation: 0 EV • ISO Sensitivity: ISO 160 • White Balance: Auto

1 NIKKOR VR 10–100mm f/4.5–5.6 PD-ZOOM

Film cinematic-looking scenes with ease using this 10x power-drive zoom, the lens that was crafted to shoot movies. The 10–100mm zoom range (35mm equivalent: 27–270mm) captures movies, and stills, in superb clarity.

Nikon 1 V2 • Lens: 1 NIKKOR VR 10–100mm f/4.5–5.6 PD-ZOOM • Focus Mode: AF-A • Focal Length: 69mm • VR: OFF • Aperture: f/4.8 • Shutter Speed: 1/800s • Exposure Mode: Shutter Priority • Exposure Compensation: 0 EV • ISO Sensitivity: Auto (ISO 160) • White Balance: Auto

Nikon 1 & NIKKOR F-mount lenses

Freedom & Familiarity

A Nikon 1 camera isn't just a great main camera. It's a superb second camera, too.

Thanks to the mount adapter FT1, you can use Nikon's legacy DX- and FX-format F-mount NIKKOR lenses together with your Nikon 1 camera.[7] Enjoy the freedom the adapter brings and use your Nikon 1 as a capable backup camera, or simply experiment with the crop factor and explore new creative ideas.

NIKKOR F-mount lenses mounted on the mount adapter FT1 have a 2.7x focal length crop factor, which means the lens' field-of-view becomes comparable to that of a lens with focal length almost three times as long. You can turn a fast NIKKOR 35mm lens into a 95mm (equivalent) and capture tight portraits with stunning detail. You can extend the telephoto capabilities of the NIKKOR 18–200mm AF-S zoom lens to 540 mm (equivalent), or increase telephoto reach of the NIKKOR 18–105mm AF-S zoom lens to 285 mm (equivalent).

If you use AF-S and AF-I NIKKOR lenses, you can still make full use of the incredible Nikon 1 autofocus system[8] and high-speed continuous shooting rates of 10/30/60 fps.[9]

An invaluable accessory, the mount adapter FT1 extends the flexibility of the Nikon 1 system beautifully.

I AM | EASY TRANSFER

Quick, easy image transfer

Share your Nikon 1 moment

Why wait to share moments? With the Nikon 1 V2, transferring photos and movies straight from the camera to another device—or uploading them to the Internet—couldn't be easier.

To send images straight to your smartphone or tablet, simply plug the small WU-1b wireless mobile adapter into your camera. The adapter links your camera directly to your device, so you can easily share moments on your favorite social network, or preview your images on a larger screen. You can even control your camera remotely via your smart device: imagine the fun you could have capturing high quality action shots of your best moves on the basketball court and then sharing them with friends!

If you want to quickly send images to a preselected online destination, such as a preferred photo service like Nikon's my Picturetown, simply insert an EyeFi card into the camera's SD card slot.

To transfer your images straight to a computer, you can use an SD card, an EyeFi card, the wireless mobile adapter, or even a good old-fashioned USB cable. Nikon software like View NX and Short Movie Creator make it simple to enhance images so they look great viewed on any platform.

Nikon 1 accessories

Get the most out of your shooting

Create the right light: Speedlight SB-N7

Get creative with light using this powerful Speedlight flash unit.

Tag your images: GPS unit GP-N100

Never forget where you were when snapped your photo. Always tag your Nikon 1 images to the right location with this tiny GPS unit.

Fire away: Infrared Remote Control ML-L3

Control the shutter release on your Nikon 1 camera from a distance with this handy remote control.

Record in stereo: Stereo Microphone ME-1

Increase the sound quality of your movies with Nikon's external stereo microphone. Powered via the camera, the microphone records crisp and clear audio.

Keep your gear safe: Nikon 1 cases

Protect your Nikon 1 camera or 1 NIKKOR lens from dust, moisture, and scratches.

Accessories overview

● Standard
○ Optional

	Available colours	Nikon 1 V2	1 NIKKOR 10mm f/2.8	1 NIKKOR 11-27.5 mm f/3.5-5.6	1 NIKKOR 18.5mm f/1.8	1 NIKKOR VR 10-30mm f/3.5-5.6	1 NIKKOR VR 30-110mm f/3.8-5.6	1 NIKKOR VR 10-100mm F/4.5-5.6 PD-ZOOM
Rechargeable Li-ion Battery EN-EL21		●						
Battery Charger MH-28		●						
USB Cable UC-E19		●						
Power Connector EP-5D		○						
AC Adapter EH-5b		○						
Body Cap BF-N1000		●						
Multi Accessory Port Cover BS-N3000	■□	●						
ViewNX 2/Short Movie Creator CD-ROM (bundled software)		●						
Strap AN-N1000		●						
Leather Neck Strap AN-N2000	■□■■■■	○						
Leather Hand Strap AH-N1000	■□■■■	○						
Nikon 1 V2 Body Case CB-N4000		○						
Nikon 1 V2 Body Case Set: Body Case + Front Cover CB-N4000		○	○	○	○	○		
Wrapping Cloth CF-N3000	■□■	○	○	○	○	○	○	○
Mount Adapter FT1		○						
Stereo Microphone ME-1		○						
Multi Accessory Port Adapter AS-N1000		○						
Wireless Mobile Adapter WU-1b		○						
Remote Control ML-L3								
GPS Unit GP-N100	■□	○						
Speedlight SB-N5		○						
Speedlight SB-N7	■□	○						
1 NIKKOR VR 10-100mm Lens Hood HB-N102								●
1 NIKKOR VR 30-110mm Lens Hood HB-N103							●	
1 NIKKOR VR 10-30mm Lens Hood HB-N101						○		
1 NIKKOR 10mm Lens Hood HN-N101			○					
1 NIKKOR 18.5mm f/1.8 Lens Hood HB-N104					○			
1 NIKKOR 10mm Lens Hood Cap HC-N101			○					
Lens Case CL-N101	■□■		○	○	○	○	○	
Lens Case CL-N102								○

Technical specifications 1 NIKKOR lenses

	1 NIKKOR 10mm f/2.8	1 NIKKOR 11-27.5mm f/3.5-5.6	1 NIKKOR 18.5mm f/1.8
Lens construction (groups/elements)	5/6	6/8, 1 protective glass	6/8
Angle of view	77°	72° - 32° 20'	46° 40'
Number of diaphragm	7 (rounded diaphragm opening)	7 (rounded diaphragm opening)	7 (rounded diaphragm opening)
Minimum f-stop	11	16	16
Minimum focus distance	0.2m (0.7ft)	0.3m (1.0ft)	0.2m (0.7ft)
Maximum reproduction ratio (35mm equivalent ratio)	0.06× (0.16×)	0.1× (0.28×)	0.12× (0.32×)
Weight (g/oz.)	Approx. 77/2.8	Approx. 83/3.0	Approx. 70/2.5
Dia. × length (distance from camera lens mount flange) (mm)	Approx. 55.5 × 22	Approx. 57.5 × 31 when lens is retracted	Approx. 56 × 36
Filter-attachment size (mm)	40.5	40.5	40.5
Lens cap type	Snap-on	Snap-on	Snap-on
Lens hood	HN-N101 (optional)	HB-N102 (optional)	HB-N104 (optional)
Lens case	CL-N101 (optional)	CL-N101 (optional)	CL-N101 (optional)
Lens hood cap	HC-N101 (optional)	–	–

	1 NIKKOR VR 10-30mm f/3.5-5.6	1 NIKKOR VR 30-110mm f/3.8-5.6	1 NIKKOR VR 10-100m f/4.5-5.6 PD-ZOOM
Lens construction (groups/elements)	9/12	12/18	14/21
Angle of view	77°-29°40'	29°40'-8°20'	77°-9°10'
Number of diaphragm	7 (rounded diaphragm opening)	7 (rounded diaphragm opening)	7 (rounded diaphragm opening)
Minimum f-stop	16	16	16
Minimum focus distance	0.2m (0.7ft)	1.0m (3.3ft)	10 mm focal length: 0.3m (1ft) 100 mm focal length: 0.85m (2.8ft)
Maximum reproduction ratio (35mm equivalent ratio)	0.21× (0.57×)	0.1× (0.28×)	0.12× (0.34×)
Weight (g/oz.)	Approx. 115/4.1	Approx. 180/6.3	Approx. 530/1 lb 2.7 oz.
Dia. × length (distance from camera lens mount flange) (mm)	Approx. 57.5 × 42 when lens is retracted	Approx. 60.0 × 61.0 when lens is retracted	Approx. 77 × 95 when lens is retracted
Filter-attachment size (mm)	40.5	40.5	72
Lens cap type	Snap-on	Snap-on	Snap-on
Lens hood	HB-N101 (optional)	HB-N103 (provided)	HB-N102 (provided)
Lens case	CL-N101 (optional)	CL-N101 (optional)	CL-N102 (optional)
Lens hood cap	–	–	–

NOTE: Lens hood names indicate type: HN for Screw-in, HR for Rubber Screw-in, HK for Slip-on, HS for Snap-on and HB for Bayonet.
Nikon reserves the right to change the specifications of the hardware described in this leaflet at any time and without prior notice.

NOTES

1 EXPEED 3A processes images at 850 MP/s with the Nikon 1 V2, and 600 MP/s with the Nikon 1 V1 and the Nikon 1 J2.
2 Shoot full-size images at approximately 60 fps for up to 40 frames with AF fixed on the first frame. With AF tracking on, you can shoot at 15 fps for up to 45 frames.
3 In single-point AF; based on Nikon research.
4 Smart Photo Selector is also available in the Nikon 1 V1 and the Nikon 1 J2 as a single shooting mode that automatically saves the five best shots.
5 During movie recording (in movie mode), high-definition still images (approx. 14.2 megapixels; 3:2 aspect ratio) can be captured without interrupting movie recording. This still image is not a frame saved from the movie.
6 Recording speeds in Advanced movie mode: 400 fps at 640x240 frame size or 1200 fps at 320x120. Max recording time 5 seconds.
7 For accurate information about compatibility with F-mount NIKKOR lenses, please refer to the manual.
8 AF/AE is supported with AF-S lenses only. Focus mode must be set to AF-S (Single AF) and AF-area mode is fixed at single-point with only the center focus point used.
9 Continuous shooting with the FT1: applicable when an AF-S lens is used. Focus is locked with the first shot.

Technical specifications Nikon 1 V2

Type	
Type	Digital camera with support for interchangeable lenses
Lens mount	Nikon 1 mount
Effective angle of view	Approx. 2.7× lens focal length (35mm format equivalent)
Effective pixels	
Effective pixels	14.2 million
Image sensor	
Image sensor	13.2 mm × 8.8 mm CMOS sensor (Nikon CX format)
Dust-reduction system	Image sensor cleaning
Image size	
Image size (pixels)	Still images (auto, P, S, A, M, Best Moment Capture modes; aspect ratio 3:2) • 4,608 × 3,072 • 3,456 × 2,304 • 2,304 × 1,536 Still images (advanced movie mode; aspect ratio 3:2) • 4,608 × 3,072 (1,080/60i, 1,080/30p) • 1,280 × 856 (720/60p, 720/30p) Still images (Motion Snapshots; aspect ratio 16:9) • 4,608 × 2,592
File format	• NEF (RAW): 12-bit, compressed • JPEG: JPEG-Baseline compliant with fine (approx. 1:4), normal (approx. 1:8), or basic (approx. 1:16) compression • NEF (RAW) + JPEG: Single photograph recorded in both NEF (RAW) and JPEG formats
Picture Control System	Standard, Neutral, Vivid, Monochrome, Portrait, Landscape; selected Picture Control can be modified; storage for custom Picture Controls
Media	SD (Secure Digital), SDHC, and SDXC memory cards
File system	DCF (Design Rule for Camera File System) 2.0, DPOF (Digital Print Order Format), Exif (Exchangeable Image File Format for Digital Still Cameras) 2.3, PictBridge
Viewfinder	
Electronic viewfinder	0.47-in., approx. 1440k-dot color TFT LCD viewfinder with diopter control and brightness adjustment
Frame coverage	Approx. 100% horizontal and 100% vertical
Eyepoint	18 mm (–1.0 m-1; from center surface of viewfinder eyepiece lens)
Diopter adjustment	-3 to +2 m-1
Eye sensor	Camera switches to viewfinder display when it detects that viewfinder is in use
Shooting modes	
Shooting modes	Auto, **P** (programmed auto), **S** (shutter-priority auto), **A** (aperture-priority auto), **M** (manual), Best Moment Capture (slow view and Smart Photo Selector), advanced movie (HD and slow motion), Motion Snapshot
Shutter	
Type	Electronically-controlled vertical-travel focal-plane mechanical shutter; electronic shutter
Speed	• Mechanical shutter: 1/4,000-30 s in steps of 1/3 EV; Bulb; Time (requires optional ML-L3 remote control) • Electronic shutter: 1/16,000-30 s in steps of 1/3 EV; Bulb; Time (requires optional ML-L3 remote control) Note: Bulb and Time end automatically after approximately 2 minutes
Flash sync speed	• Mechanical shutter: Synchronizes with shutter at X=1/250 s or slower • Electronic shutter: Synchronizes with shutter at X=1/60 s or slower
Release	
Mode	Single frame, continuous Self-timer, remote
Frame advance rate	Approx. 5 fps, 15 fps, 30 fps, or 60 fps
Self-timer	2 s, 10 s
Remote control modes	Delayed remote (2 s); quick-response remote
Exposure	
Metering	TTL metering using image sensor
Metering method	• Matrix • Center-weighted: Meters 4.5 mm circle in center of frame • Spot: Meters 2 mm circle centered on selected focus area
Mode	P (programmed auto with flexible program), S (shutter-priority auto), A (aperture-priority auto), M (manual), scene auto selector
Exposure compensation	-3 to +3 EV in increments of 1/3 EV (user controlled in P, S, and A modes)
Exposure lock	Luminosity locked at metered value with AE-L/AF-L button
ISO sensitivity (Recommended Exposure Index)	ISO 160-6400 in steps of 1 EV; auto ISO sensitivity control (ISO 160-6400, 160-3200, 160-800) available (user controlled in P, S, A, and M modes)
Active D-Lighting	On, off
Focus	
Autofocus	Hybrid autofocus (phase-detection/contrast-detect AF); AF-assist illuminator
Lens servo	• Autofocus (AF): Single AF (AF-S); continuous AF (AF-C); auto AF-S/AF-C selection (AF-A); full-time AF (AF-F) • Manual focus (MF)
AF-area mode	Single-point, auto-area, subject tracking
Focus area	• Single-point AF: 135 focus areas; the center 73 areas support phase-detection AF • Auto-area AF: 41 focus areas
Focus lock	Focus can be locked by pressing shutter-release button halfway (single AF) or by pressing AE-L/AF-L button
Face priority	On, off

Flash	
Built-in flash	Raised by pressing flash button
Guide Number (GN)	Approx. 5/16 (m/ft, ISO 100, 20°C / 68°F; at ISO 160, Guide Number is approx. 6.3/20.7)
Control	i-TTL flash control using image sensor
Mode	Fill flash, fill flash + slow sync, red-eye reduction, red-eye reduction + slow sync, rear-curtain sync, rear curtain + slow sync
Flash compensation	-3 to +1 EV in increments of 1/3 EV
Flash-ready indicator	Lights when flash is fully charged
White balance	
White balance	Auto, incandescent, fluorescent, direct sunlight, flash, cloudy, shade, preset manual, all except preset manual with fine tuning
Movie	
Metering	TTL metering using image sensor
Metering method	• Matrix • Center-weighted: Meters 4.5 mm circle in center of frame • Spot: Meters 2 mm circle centered on selected focus area
Frame size (pixels) / recording rate	HD movies and movies recorded in auto, P, S, A, and M modes (aspect ratio 16:9) • 1,920 x 1,080/60i (59.94 fields/s *) • 1,920 x 1,080/30p (29.97 fps) •1,280 x 720/60p (59.94 fps) • 1,280 x 720/30p (29.97 fps) Slow-motion movies (aspect ratio 8:3) • 640 x 240/400 fps (plays at 30p/29.97 fps) • 320 x 120/1,200 fps (plays at 30p/29.97 fps) Motion Snapshot (aspect ratio 16:9) • 1,920 x 1,080/60p (59.94 fps) (plays at 24p/23.976 fps) * Sensor output is about 60 fps.
File format	MOV
Video compression	H.264/MPEG-4 Advanced Video Coding
Audio recording format	AAC
Audio recording device	Built-in or optional external ME-1 stereo microphone; sensitivity adjustable
Monitor	
Monitor	7.5 cm (3-in.), approx. 921k-dot, TFT LCD with brightness adjustment
Playback	
Playback function	Full-frame and thumbnail (4, 9, or 72 images or calendar) playback with playback zoom, movie playback, slide show, histogram display, auto image rotation, and rating option
Interface	
USB	Hi-Speed USB
HDMI output	Type C mini-pin HDMI connector
Multi accessory port	Used for designated accessories
Audio input	Stereo mini-pin jack (3.5 mm diameter)
Supported languages	
Supported languages	Arabic, Chinese (Simplified and Traditional), Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hindi, Hungarian, Indonesian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese (European and Brazilian), Romanian, Russian, Spanish, Swedish, Thai, Turkish, Ukrainian, Vietnamese
Power source	
Battery	One rechargeable Li-ion EN-EL21 battery
AC adapter	EH-5b AC adapter; requires EP-5D power connector (available separately)
Tripod socket	
Tripod socket	1/4-in. (ISO 1222)
Dimensions/weight	
Dimensions (W x H x D)	Approx. 107.8 × 81.6 × 45.9 mm (4.2 × 3.2 × 1.8 in.), excluding projections; thickness of body (from mount to monitor) is 33.2 mm (1.3 in.)
Weight	Approx. 338 g (11.9 oz) with battery and memory card but without body cap; approx. 278 g (9.8 oz) (camera body only)
Operating environment	
Temperature	0°C - 40°C (+32°F -104 °F)
Humidity	Less than 85% (no condensation)
Supplied accessories	
Supplied accessories (may differ by country or area)	EN-EL21 rechargeable Li-ion battery (with terminal cover), MH-28 battery charger, BF-N1000 body cap, BS-N3000 multi accessory port cover, UC-E19 USB cable, AN-N1000 strap, ViewNX 2/Short Movie Creator CD-ROM, User's Manual, Reference manual CD-ROM

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WARNING	TO ENSURE CORRECT USAGE, READ MANUALS CAREFULLY BEFORE USING YOUR EQUIPMENT. SOME DOCUMENTATION IS SUPPLIED ON CD-ROM ONLY.

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